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### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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	licant's o 8/12938	agent's file reference	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
i		application No. 3/00865	International filing date 12.12.2003	(day/mon	th/year)	Priority date (day/mor 16.12.2002	nth/year)
1	mational 4D13/14	Patent Classification (IPC) or	both national classification	and IPC	•	<u>                                     </u>	
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	licant R Holdi	ng A/S			:		
1.	This ir Autho	nternational preliminary ex rity and is transmitted to th	amination report has bee	en prepai Article 3	red by this Inte	rnational Preliminary	Examining
<u> </u> 							
.2.	2. This REPORT consists of a total of 4 sheets, including this cover sheet.						
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
	These	annexes consist of a total	of 5 sheets.		•		
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3.	This re	eport contains indications	elating to the following it	ems:	•		r.
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<u>;</u>	III						
	V	Reasoned statement citations and explana	under Rule 66.2(a)(ii) w tions supporting such st	ith regar atement	d to novelty, in	ventive step or indus	trial applicability;
	VI [	Certain documents c	ted		•		
	VII [	$\Box$ Certain defects in the	international application	1			
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Date	of subm	ission of the demand		Date of	completion of th	ls report	
18.06.2004			01.02.	.2005			
Name and mailing address of the International				Authoria	zed Officer		Las Paldos
preliminary examining authority:  European Patent Office							Selfer 11 E
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# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/DK 03/00865

I.	<b>Basis</b>	of the	report
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**Description, Pages** 

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	1, 2	, 4-13	as published						
	3, 3	a	received on 18.06.2004 with letter of 15.06.2004						
		Claims, Numbers							
	1-1	·	received on 26.10.2004 with letter of 22.10.2004						
	υra	wings, Sheets							
	1/2-	2/2	as published .						
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.								
	The	se elements were ava	ailable or furnished to this Authority in the following language: , which is:						
		the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)							
		the language of publi	ication of the international application (under Rule 48.3(b)).						
		the language of a train Rule 55.2 and/or 55.3	nslation furnished for the purposes of international preliminary examination (under 3).						
3.			otide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:						
		contained in the international application in written form.							
		filed together with the	e international application in computer readable form.						
		☐ furnished subsequently to this Authority in written form.							
		☐ furnished subsequently to this Authority in computer readable form.							
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.							
		The statement that the listing has been furnis	ne information recorded in computer readable form is identical to the written sequence shed.						
4.	The	amendments have re	esulted in the canceliation of:						
		the description,	pages:						
		the claims,	Nos.:						
		the drawings,	sheets:						

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/DK 03/00865

5.	This report has been established as if (some of) the amendments had not been made, since they have
	been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N) Yes: Claims 1-11

No: Claims

Inventive step (IS) Yes: Claims 1-11

No: Claims

Industrial applicability (IA) Yes: Claims 1-11

No: Claims

2. Citations and explanations

see separate sheet

1. The closest prior art is described in DK-B-154 099 cited in the present application and corresponding to document US-A-4 543 753 (D1) cited in the international search report.

D1 discloses a sheet flashing member according to the preamble of claim 1. Here two different lower flashing members are used in order to provide a seal between the lower neighbouring corners of two adjacent windows.

The object of the present invention is to provide a sheet flashing member which may easily be adapted to different installation situations and in which the risk of incorrect mounting and insufficient sealing between the roof penetrating structure and the surrounding roofing is substantially reduced.

This is accomplished in that at least one of the corner segments at a surface thereof comprises at least one indication indicating a pattern, such that at least a part of the sheet section may be separated from the remaining part of the flashing member along the indications.

The provision of such an indication at a corner segment of a sheet flashing member is, in respect of the available prior art, novel in concept, and, moreover, there is no teaching in the available prior art which could have led the skilled person to the flashing member claimed in claim 1.

Document WOA-99/27211 describes a flashing assembly comprising four elements each of them being mounted to one of the four sides of a roof penetrating structure. Each element has two through cuts such that a portion of the side may be folded to form a flap which is then fastened to the side surface of the structure. The idea of using one and the same element for different installation situations is not disclosed in said document.

The subject-matter of claim 1 is therefore both novel and involves an inventive step. The claimed flashing member is also industrially applicable. Therefore, claim 1 meets the requirements of Article 33(2), (3) and (4) PCT.

2. Dependent claims 2 to 11 describe further embodiments of the sheet flashing member of claim 1. Therefore, said claims meet also the requirements of Article 33 PCT.

to be mounted on the upper window frame and a sheet portion adapted to be mounted under the roof surface. When water flows down the sloping roof surface and onto the upper flashing member, the gutter directs 5 the water outwards towards the gutters of the side flashing members. In contrast, the lower flashing member is adapted to provide a seal between the lower window frame portion and the upper surface of the roof such that water entering the space between the 10 window and the roof is directed outwards and/or downwards onto the outer surface of the roof. Further, the lower flashing member also serves to deflect the water led downwards from the side gutters for which reason the lower flashing is normally somewhat wider 15 than the combined width of the window and the two side flashing members, the additional width being provided by the corner segment allowing the water to flow to either side when coming from the side gutter.

As follows from the above, the corner segments
20 adapted to be used between a window and the surrounding roof is not suitable for use between two
neighbouring windows, which normally will be placed
relatively close to each other.

25 Continued on page 3a



18-06-2004

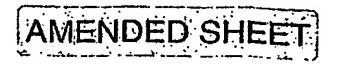
WO99/27211 describes a flashing element for use between roof windows placed closely side by side. This element, consisting of a substantially rectangular piece of sheet material, has two cuts in each of the sides facing the two windows. The cuts allows a portion of the side to be folded to form a flap, which is then fastened to side surface of the window, while the rest of the element is substantially in plan with the roof. There is, however, no mentioning of the possibility of using the same element for different installation situations.

EP-A-0 316 655 describes a flashing member folded from a flexible sheet blank. The blank is provided with weakening lines to facilitate the folding and 15 possibly with cuts to i.e. allow projecting corners or flaps. The point of the in-situ folding is that a reliably watertight flashing member may be achieved from a flat blank, which is cheap to store and transport. It is mentioned, that the cuts may be made insitu, but there is no indication where to make the cuts.

The object of the present invention is to provide a sheet flashing member which provides for a standardized and cost-optimised production, which may easily be adapted to different installation situations and in which the risk of incorrect mounting and insufficient sealing between the roof penetrating structure and the surrounding roofing is substantially reduced.

This and further objects are met by the provision of a flashing member of the kind mentioned in the in-

Continued on page 4







#### PATENT CLAIMS

- 1. A sheet flashing member (1) comprising:
- a sheet section (40) defining a plane and including a main portion (10) as well as first and second corner segments (20, 30), the main portion extending along a portion of a roof penetrating structure and the corner segments extending along other portions of the roof penetrating structure perpendicularly to the main portion, and
- at least one flange (11, 21) arranged at an angle relative to the plane of the sheet section and adapted to engage a surface of a roof penetrating building structure, c h a r a c t e r i z e d in that
- thereof comprises at least one indication (22, 32, 34, 38) indicating a pattern, such that at least a part of the sheet section may be separated from the remaining part of the flashing member along the indications in order to transform the respective corner segment from an initial state to a transformed state.
- 2. A sheet flashing member as defined in claim 1, wherein each said indication (22, 32, 34, 38) comprises a visual indication in the shape of at least 25 one longitudinally extending line or a longitudinally extending row of dots, short sections etc.
  - 3. A sheet flashing member as defined in claim 1, wherein each said indication (22, 32, 34, 38) comprises a weakening section.
- 4. A sheet flashing member as defined in claim 3, wherein said weakening sections includes at least one groove.
  - 5. A sheet flashing member as defined in claim 4,

wherein said groove is formed by depression.

- 6. A sheet flashing member as defined in claim 3, wherein said weakening sections comprise a longitudinally extending cord member accommodated in the corner segment (20, 30).
- 7. A sheet flashing member as defined in any of the previous claims, wherein the pattern defines one or more indications delimiting an area (26, 37) of the end portion (20, 30) which, when separation has 10 taken place, thereby can be removed.
- 8. A sheet flashing member as defined in any of the previous claims, wherein the sheet section (40) has a general longitudinal orientation, the pattern defining at least one indication (38) arranged at an oblique angle relative to the general longitudinal orientation, the oblique indication being directly or indirectly connected to a free edge (33, 35) of the sheet section.
- 9. A sheet flashing member as defined in any of the previous claims, wherein the sheet section (40) includes a main portion (10) and the first and second end portions define first and second corner segments (20, 30), the main portion comprising an upstanding flange (11) and the first and second corner segments comprising first and second flanges (21, 31) arranged substantially perpendicularly to the upstanding flange, the flanges (11, 21, 31) being adapted to engage a longitudinal surface portion of a roof penetrating building structure as well as its associated corner portions.
  - 10. A sheet flashing member as defined in claim 9, comprising a skirt element (50) which can be adapted to engage an upper roof surface.



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11. A sheet flashing member as defined in claim 9 or 10, wherein the first corner segment (20) comprises an indication (22) arranged across the width thereof and generally perpendicularly to the general 10 longitudinal orientation, and wherein the second corner segment (30) comprises first and second indications (32, 34) defining a portion (37), and a third indication (38) arranged at an oblique angle relative to the general longitudinal orientation and connected 10 to said portion.